## **ABSTRACT**

A converter circuit is specified for at least one phase first B), which converter circuit has (R. switching group system (1) which is provided for each phase (R, Y, B) and has a first main switching group (4) which is formed by a power semiconductor switch (2) and by a capacitor (3) which is connected to the power semiconductor switch (2), and which first switching has at one intermediate (1) least system switching group (7) which is formed by two seriesconnected power semiconductor switches (5) which can be capacitor (6), with the driven and by a intermediate switching group (7) being connected to the first main switching group (4). Furthermore, the first switching group system has a second main switching group (9) which is formed by a power semiconductor switch (8), with the or an intermediate switching group (7) being connected to the second main switching group improve the For simplicity and in order to circuit, the reliability of the converter semiconductor switch (2) in the first main switching group (4) and the power semiconductor switch (8) in the second main switching group (9) are each formed by only one passive electronic component (1) which cannot be driven and has a unidirectional current-flow direction. In order to increase the capability to store electrical energy when there are a plurality of phases (R, Y, B), the first switching group systems (1) in the phases (R, Y, B) are connected in parallel with one another.